

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	1	"10/576452"	US-PGPUB; USPAT	OR	OFF	2009/03/11 09:05
S4	327	(polyplastics).as.	US-PGPUB; USPAT	OR	OFF	2009/03/11 09:06
S7	16728	(Delrin\$ OR Kepital\$ OR Celcon\$ OR Hostaform4 OR Iupital\$ OR Ultraform\$)	US-PGPUB; USPAT	OR	OFF	2009/03/11 09:07
S8	6628	(trioxane) OR (trimer near5 formaldehyde) OR (cyclic near5 trimer near5 formaldehyde) OR ("1,3,4-trioxane") OR (Trioxymethylene) OR ( Metaformaldehyde near5 Trioxin) Or (Trioxan) Or ( Triformol) OR ("s-trioxane") OR ("sym-trioxane")	US-PGPUB; USPAT	OR	ON	2009/03/11 09:11
S10	44983	(polyacetal) OR (polyoxymethylene) OR (PCM)	US-PGPUB; USPAT	OR	ON	2009/03/11 09:12
S11	33	(Harashina near5 Hatsuhiro).in.	US-PGPUB; USPAT	OR	OFF	2009/03/11 09:14
S13	3154956	(elution OR eluted OR eluting Or removing or removed or removal Or remove)	US-PGPUB; USPAT	OR	OFF	2009/03/11 09:17
S14	5	(S7) AND (S8) AND (S8 near5 S13)	US-PGPUB; USPAT	OR	OFF	2009/03/11 09:17
S15	3446129	(elution OR eluted OR eluting Or removing or removed or removal Or remove OR extract OR extracted OR extracting Or extraction)	US-PGPUB; USPAT	OR	OFF	2009/03/11 10:22
S16	6	(S7) AND (S8) AND (S8 near5 S15)	US-PGPUB; USPAT	OR	OFF	2009/03/11 10:22
S17	0	S16 Not S15	US-PGPUB; USPAT	OR	OFF	2009/03/11 10:23
S18	1	S16 Not S14	US-PGPUB; USPAT	OR	OFF	2009/03/11 10:23
S19	174	(S7 Or S10) AND (S8 near5 (amount or content))	US-PGPUB; USPAT	OR	ON	2009/03/11 10:24

S20	5	(S7 Or S10) AND (S8 near5 (amount or content) near5 (unreacted))	US-PGPUB; USPAT	OR	ON	2009/03/11 10:25
S21	8	(S8 near5 S15 near5 (S7 OR S10))	US-PGPUB; USPAT	OR	ON	2009/03/11 10:26
S22	194	(S7 Or S10) AND (S8 near5 (amount or content Or concentration))	US-PGPUB; USPAT	OR	ON	2009/03/11 10:26
S23	51	(S7 Or S10) AND (S8 near5 (concentration))	US-PGPUB; USPAT	OR	ON	2009/03/11 10:26
S24	5	(S7 Or S10) AND (S8 near5 (concentration) near5 (S15))	US-PGPUB; USPAT	OR	ON	2009/03/11 10:27
S25	13	(S7 Or S10) AND (S8 near5 (amount or content Or concentration Or quantity) near5 (S15))	US-PGPUB; USPAT	OR	ON	2009/03/11 10:28
S26	1	("5541284").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/11 10:31
S27	6	("3027352"   "3803094"   "5144005").PN. OR ("5541284").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 10:32
S28	9	(S7 OR S10) SAME (S8) near5 (amount Or concentration) SAME (S13)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 10:36
S29	1	("6,169,164").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/11 10:42
S30	2	"JP 54107972"	EPO; JPO; DERWENT	OR	OFF	2009/03/11 10:44
S31	1	(acetal Or polyacetal Or S10) near5 (polymer Or copolymer) near5 (ammonia near5 solution)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 10:46
S32	30	((acetal Or polyacetal Or S10) near5 (polymer Or copolymer)) SAME ((ammonia Or basic) near5 solution)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 10:47
S33	18	((acetal Or polyacetal Or S10) near5 (polymer Or copolymer)) SAME ((ammonia Or basic) near5 solution)	US-PGPUB; USPAT	OR	OFF	2009/03/11 10:47
S34	1	("3301821").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/11 10:54
S35	1	("3301821").PN.	USOCR	OR	OFF	2009/03/11 10:56
S36	1	("5541284").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/11 10:59
S37	1	((acetal Or polyacetal Or S10) near5 (polymer Or copolymer)) SAME (volatile adj base) SAME (ammonia)	US-PGPUB; USPAT	OR	OFF	2009/03/11 11:01

S38	3136376	((acetal Or polyacetal Or S10) near5 (polymer Or copolymer)) SAME (volatile adj base) S	US-RGPUB; USPAT	OR	OFF	2009/03/11 11:02
S39	9	((acetal Or polyacetal Or S10) near5 (polymer Or copolymer)) SAME (volatile adj base)	US-RGPUB; USPAT	OR	OFF	2009/03/11 11:02
S40	3	((polyacetal Or S10) SAME (volatile adj base)) AND (ammonia)	US-RGPUB; USPAT	OR	OFF	2009/03/11 11:02
S41	7	(polyacetal Or S10) AND (terminal near5 hemiformal) near5 "mmol/kg"	US-RGPUB; USPAT	OR	OFF	2009/03/11 11:08
S42	7	(polyacetal Or S10) AND ((hemiformal) near5 ("mmol/kg" Or "mmol"))	US-RGPUB; USPAT	OR	OFF	2009/03/11 11:11
S43	6	(polyacetal Or S10) AND ((formal) near5 ("mmol/kg" Or "mmol"))	US-RGPUB; USPAT	OR	OFF	2009/03/11 11:15
S44	69	(polyacetal Or S10) AND ((formyl) near5 ("mmol/kg" Or "mmol"))	US-RGPUB; USPAT	OR	OFF	2009/03/11 11:16
S45	12	(polyacetal Or S10) SAME ((formyl) near5 group)	US-RGPUB; USPAT	OR	OFF	2009/03/11 11:17
S46	4	(polyacetal Or S10) AND (terminal adj (formyl) adj group)	US-RGPUB; USPAT	OR	ON	2009/03/11 11:18
S47	15	(polyacetal Or S10) AND (terminal adj (formyl) )	US-RGPUB; USPAT	OR	ON	2009/03/11 11:18
S48	1	("4307224").PN.	US-RGPUB; USPAT	OR	OFF	2009/03/11 11:20
S49	1	(polyacetal Or S10) AND (terminal near5 (HCO) )	US-RGPUB; USPAT	OR	ON	2009/03/11 11:22
S50	2	(polyacetal Or S10) AND ((HCO) near5 group )	US-RGPUB; USPAT	OR	ON	2009/03/11 11:22
S51	0	(S4) AND ((HCO) near5 group )	US-RGPUB; USPAT	OR	ON	2009/03/11 11:22
S52	4	(S4) AND ((formyl) near5 group )	US-RGPUB; USPAT	OR	ON	2009/03/11 11:22
S53	6	(S4) AND (unstable near5 terminal near5 group)	US-RGPUB; USPAT	OR	ON	2009/03/11 11:23
S54	32	(formaldehyde near5 inhibitor) SAME (triazine Or melmaine OR guainidne Or urea Or hydrazine Or imide Or imidazole)	US-RGPUB; USPAT	OR	ON	2009/03/11 11:58
S55	8	S4 AND S32	US-RGPUB; USPAT	OR	ON	2009/03/11 11:59
S56	8	S4 AND S55	US-RGPUB; USPAT	OR	ON	2009/03/11 11:59

S57	0	S4 AND S54	US-PGPUB; USPAT	OR	ON	2009/03/11 11:59
S58	356890	(triazine Or melmaine OR guanidine Or urea Or hydrazine Or imide Or imidazole)	US-PGPUB; USPAT	OR	ON	2009/03/11 12:00
S59	94	S4 AND S58	US-PGPUB; USPAT	OR	ON	2009/03/11 12:00
S60	77	S4 AND S58 AND S10	US-PGPUB; USPAT	OR	ON	2009/03/11 12:00
S61	70	S60 AND (stabilizer)	US-PGPUB; USPAT	OR	ON	2009/03/11 12:01
S62	1	("6642289").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/11 12:38
S63	12	S10 SAME (solvent) near5 (treatment OR treated OR treating Or treat)	US-PGPUB; USPAT	OR	ON	2009/03/11 13:12
S64	8	S10 SAME (S15) SAME (volatile near5 compound)	US-PGPUB; USPAT	OR	ON	2009/03/11 13:15
S65	1	(S4 OR S11) AND ((S15) SAME (volatile near5 compound))	US-PGPUB; USPAT	OR	ON	2009/03/11 13:15
S66	1	"CN 1395598"	EPO; JPO; DERWENT	OR	OFF	2009/03/11 13:20
S67	0	"JP 1244769"	EPO; JPO; DERWENT	OR	OFF	2009/03/11 13:21
S68	1	"JP 01244769"	EPO; JPO; DERWENT	OR	OFF	2009/03/11 13:21
S69	2	"JP 01153711"	EPO; JPO; DERWENT	OR	OFF	2009/03/11 13:22
S70	1338	(ube).as.	US-PGPUB; USPAT	OR	OFF	2009/03/11 13:23
S71	41	(ube).as. AND (S10)	US-PGPUB; USPAT	OR	OFF	2009/03/11 13:23
S72	0	(ube near5 ind\$6).as. AND (S10)	US-PGPUB; USPAT	OR	OFF	2009/03/11 13:24
S73	1	(ube near5 ind\$6).as.	US-PGPUB; USPAT	OR	OFF	2009/03/11 13:24
S74	1	(miki).in. and (takigawa).in.	US-PGPUB; USPAT	OR	OFF	2009/03/11 13:25
S75	3545	(miki).in. Or (takigawa).in.	US-PGPUB; USPAT	OR	OFF	2009/03/11 13:25
S76	58	S75 AND S10	US-PGPUB; USPAT	OR	OFF	2009/03/11 13:25
S77	0	"JP 01153711"	US-PGPUB; USPAT	OR	OFF	2009/03/11 13:28
S78	0	"JP 1153711"	US-PGPUB; USPAT	OR	OFF	2009/03/11 13:28
S79	0	"JP 1-153711"	US-PGPUB; USPAT	OR	OFF	2009/03/11 13:28

S80	0	"JP 07228649"	US-PGPUB; USPAT	OR	OFF	2009/03/11 13:57
S81	2	"JP 07228649"	EPO; JPO; DERWENT	OR	OFF	2009/03/11 13:57
S82	31	((polyacetal Or S10)) SAME S15 SAME (impurity OR impurities)	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:07
S83	12	((polyacetal Or S10)) SAME S15 SAME (impurity OR impurities) SAME S8	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:10
S84	4297351	(content or contains or containing or amount or (weight adj percent) or "wt. %" or "wt.%" or "wt %" or "wt%" or (weight adj percentage) or "parts by weight" or pbw or phr or "percent by weight" or (mole adj percent) or ("mol. %") OR "mol.%" or "mol%" or "mol %" or ppm)	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:50
S85	357	((polyacetal Or S10)) AND (S8) AND ((S8) near5 (S84))	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:52
S86	294	((polyacetal Or S10)) AND (S8) AND ((S8) near5 (S84)) AND (S15)	US-PGPUB; USPAT	OR	ON	2009/03/11 14:52
S87	115	((polyacetal Or S10)) AND (S8) AND ((S8) near5 (S84)) AND (S15 SAME solvent)	US-PGPUB; USPAT	OR	ON	2009/03/11 14:53
S88	3750	((polyacetal Or S10)) AND (S8) AND ((S8) near5 (S84)) AND (S4 OR S11)	US-PGPUB; USPAT	OR	ON	2009/03/11 15:08
S89	40	((polyacetal Or S10)) AND (S8) AND ((S8) near5 (S84)) AND (S4 OR S11)	US-PGPUB; USPAT	OR	ON	2009/03/11 15:09
S90	13	("3221059"   "3274129"   "4931535"   "4956445"   "5183860"   "5395959"   "5500477").PN. OR ("5844059"   "5866870"   "5886139"   "6365704"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 16:14
S91	10	S90 NOT S89	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 16:15
S92	1	("6673405").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/11 17:11
S93	45047	(polyacetal) OR (polyoxymethylene) OR (POM)	US-PGPUB; USPAT	OR	ON	2009/03/12 07:51
S94	285	S93 AND (formyl adj group)	US-PGPUB; USPAT	OR	OFF	2009/03/12 07:51
S95	1	S93 AND (formyl adj group) SAME "mmol"	US-PGPUB; USPAT	OR	OFF	2009/03/12 07:52

S96	1	S93 AND (formyl adj group) SAME ("mmol")	US-PGPUB; USPAT	OR	ON	2009/03/12 07:52
S97	317	S93 AND (formyl adj group)	US-PGPUB; USPAT	OR	ON	2009/03/12 07:52
S98	1	S93 AND (formyl adj group) near5 "kg"	US-PGPUB; USPAT	OR	ON	2009/03/12 07:52
S99	4	S93 AND (terminal adj formyl adj group)	US-PGPUB; USPAT	OR	ON	2009/03/12 07:52
S100	6	S93 AND (terminal near5 formyl adj group)	US-PGPUB; USPAT	OR	ON	2009/03/12 07:53
S101	14	S93 AND (formate adj group)	US-PGPUB; USPAT	OR	ON	2009/03/12 07:53
S102	0	S93 AND (formate adj group) SAME ("mmol")	US-PGPUB; USPAT	OR	ON	2009/03/12 08:04
S103	1	S93 AND (formate adj group) SAME ("kg")	US-PGPUB; USPAT	OR	ON	2009/03/12 08:04
S104	2	S93 AND (formate near5 group) SAME ("kg")	US-PGPUB; USPAT	OR	ON	2009/03/12 08:04
S105	71	S93 AND (formate near5 group)	US-PGPUB; USPAT	OR	ON	2009/03/12 08:05
S106	10	S93 AND (terminal near5 formate near5 group)	US-PGPUB; USPAT	OR	ON	2009/03/12 08:05
S107	12	S93 AND (terminal near5 (formate OR formyloxy) near5 group)	US-PGPUB; USPAT	OR	ON	2009/03/12 08:05
S108	112	S93 AND ((formate OR formyloxy) near5 group)	US-PGPUB; USPAT	OR	ON	2009/03/12 08:09
S109	327	(polyplastics).as.	US-PGPUB; USPAT	OR	OFF	2009/03/12 08:09
S110	2	S93 AND ((formate OR formyloxy) near5 group) AND S109	US-PGPUB; USPAT	OR	ON	2009/03/12 08:09
S111	2	S93 AND ((formate OR formyloxy) near5 group SAME ("mmol"))	US-PGPUB; USPAT	OR	ON	2009/03/12 08:12
S112	0	S109 AND ((formate OR formyloxy) near5 group SAME ("mmol"))	US-PGPUB; USPAT	OR	ON	2009/03/12 08:12
S113	2	S109 AND ((formate OR formyloxy) near5 group)	US-PGPUB; USPAT	OR	ON	2009/03/12 08:12
S114	113	S93 AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 group)	US-PGPUB; USPAT	OR	ON	2009/03/12 08:13
S115	1	S93 AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 group near5 "mmol")	US-PGPUB; USPAT	OR	ON	2009/03/12 08:13

S116	4	S93 AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 group near5 (content OR amount) )	US-PGPUB; USPAT	OR	ON	2009/03/12 08:15
S117	0	S93 AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 group near5 (less adj than))	US-PGPUB; USPAT	OR	ON	2009/03/12 08:33
S118	0	S93 AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 (less adj than))	US-PGPUB; USPAT	OR	ON	2009/03/12 08:34
S119	20	S93 AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 (less))	US-PGPUB; USPAT	OR	ON	2009/03/12 08:34
S120	41	S93 AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 ("none" OR "no"))	US-PGPUB; USPAT	OR	ON	2009/03/12 08:34
S121	47	S93 AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 ("none" OR "no" OR "free"))	US-PGPUB; USPAT	OR	ON	2009/03/12 08:35
S122	0	S93 AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 group near5 ("none" OR "no" OR "free"))	US-PGPUB; USPAT	OR	ON	2009/03/12 08:35
S123	0	S109 AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 ("none" OR "no" OR "free"))	US-PGPUB; USPAT	OR	ON	2009/03/12 08:35
S124	0	S109 AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 ("none" OR "no" OR "free" OR (less near5 than)))	US-PGPUB; USPAT	OR	ON	2009/03/12 08:36
S125	47	S93 AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 ("none" OR "no" OR "free" OR (less near5 than)))	US-PGPUB; USPAT	OR	ON	2009/03/12 08:36
S126	16	(S93).ab. AND (("HCOO" OR "CHOO" OR "HCO" OR formate OR formyloxy) near5 group)	US-PGPUB; USPAT	OR	ON	2009/03/12 08:36

S127	0	"JP 200111143"	EPO; JPO; DERWENT	OR	ON	2009/03/12 09:42
S128	2	"JP 2001011143"	EPO; JPO; DERWENT	OR	ON	2009/03/12 09:42
S129	1	("20030036591").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/12 10:30
S130	327	(polyplastics).as.	US-PGPUB; USPAT	OR	OFF	2009/03/12 10:43
S131	33	(Harashina near5 Hatsuhiro). in.	US-PGPUB; USPAT	OR	OFF	2009/03/12 10:43
S132	343	(S130 OR S131)	US-PGPUB; USPAT	OR	OFF	2009/03/12 10:43
S133	45047	(polyacetal) OR (polyoxymethylene) OR (POM)	US-PGPUB; USPAT	OR	ON	2009/03/12 10:43
S134	241	S132 AND S133	US-PGPUB; USPAT	OR	OFF	2009/03/12 10:43
S135	77	S134 AND (formaldehyde adj inhibitor)	US-PGPUB; USPAT	OR	OFF	2009/03/12 10:43
S136	4	S134 AND (formaldehyde adj inhibitor)	US-PGPUB; USPAT	OR	ON	2009/03/12 10:43
S137	4	S134 AND (formaldehyde adj inhibitor) AND (formaldehyde)	US-PGPUB; USPAT	OR	ON	2009/03/12 10:45
S138	1	("20030158301").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/12 10:46
S139	3	"4423617"	EPO; JPO; DERWENT	OR	OFF	2009/03/12 12:17
S140	45047	(polyacetal) OR (polyoxymethylene) OR (POM)	US-PGPUB; USPAT	OR	ON	2009/03/12 12:18
S141	327	(polyplastics).as.	US-PGPUB; USPAT	OR	OFF	2009/03/12 12:18
S142	33	(Harashina near5 Hatsuhiro). in.	US-PGPUB; USPAT	OR	OFF	2009/03/12 12:18
S143	343	(S141 OR S142)	US-PGPUB; USPAT	OR	OFF	2009/03/12 12:18
S144	28	S143 AND (S140) AND (terminal near5 group)	US-PGPUB; USPAT	OR	OFF	2009/03/12 12:18
S145	14	S143 AND (S140) AND (terminal near5 group) near5 (amount)	US-PGPUB; USPAT	OR	ON	2009/03/12 12:18
S146	1	("5587449").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/12 12:25
S147	13	("3027352"   "3803094"   "4111912"   "4431794"   "5144005").PN. OR ("5587449").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 12:25
S148	14517	S147 aDN (terminal near5 group) near5 (amount)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 12:26



S149	1	S147 AND (terminal near5 group) near5 (amount)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 12:26
S150	1	("20030036591").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/12 13:17
S151	327	(polyplastics).as.	US-PGPUB; USPAT	OR	OFF	2009/03/12 14:41
S152	45047	(polyacetal) OR (polyoxymethylene) OR (POM)	US-PGPUB; USPAT	OR	ON	2009/03/12 14:41
S153	33	(Harashina near5 Hatsuhiro). in.	US-PGPUB; USPAT	OR	OFF	2009/03/12 14:41
S154	4	(S151 OR S153) AND (S152) AND (impact resistance) AND (gloss near5 control)	US-PGPUB; USPAT	OR	OFF	2009/03/12 14:41
S155	0	"JP 2002377588"	EPO; JPO; DERWENT	OR	OFF	2009/03/12 14:44
S156	0	"JP 20020377588"	EPO; JPO; DERWENT	OR	OFF	2009/03/12 14:44
S157	1	"JP 2004562898"	EPO; JPO; DERWENT	OR	OFF	2009/03/12 14:45
S158	4	(S151 OR S153) AND (S152) AND (impact resistance) AND (gloss near5 control)	US-PGPUB; USPAT	OR	ON	2009/03/12 14:45
S159	6	(S152).ab. AND (impact resistance) AND (gloss near5 control)	US-PGPUB; USPAT	OR	ON	2009/03/12 14:46
S160	201	(S151 OR S153) AND (S152) AND (impact resistance)	US-PGPUB; USPAT	OR	ON	2009/03/12 14:49
S161	18	(S151 OR S153) AND (S152) AND ((impact resistance) near5 (acrylic Or styrene))	US-PGPUB; USPAT	OR	ON	2009/03/12 14:49
S162	1	("7368496").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/12 16:45
S163	1	"11/221182"	US-PGPUB; USPAT	OR	OFF	2009/03/12 16:52
S164	0	(11/221182).APP.	USPAT; USOCR	OR	OFF	2009/03/12 16:52
S165	0	"11/254631"	USPAT; USOCR	OR	OFF	2009/03/12 16:53
S166	327	(polyplastics).as.	US-PGPUB; USPAT	OR	OFF	2009/03/13 06:49
S167	33	(Harashina near5 Hatsuhiro). in.	US-PGPUB; USPAT	OR	OFF	2009/03/13 06:49
S169	343	(S166 OR S167)	US-PGPUB; USPAT	OR	OFF	2009/03/13 06:49
S170	45047	(polyacetal) OR (polyoxymethylene) OR (POM)	US-PGPUB; USPAT	OR	ON	2009/03/13 06:49
S171	241	S169 AND S170	US-PGPUB; USPAT	OR	ON	2009/03/13 06:49

S172	37	S171 AND (impact near5 resistance) AND (thermoplastic near5 (polyurethane OR polyester) )	US-PGPUB; USPAT	OR	ON	2009/03/13 06:51
S173	4	S171 AND (gloss near5 control near5 agent)	US-PGPUB; USPAT	OR	ON	2009/03/13 06:52
S174	4	S171 AND (gloss near5 control)	US-PGPUB; USPAT	OR	ON	2009/03/13 06:53
S175	27	S171 AND (gloss) AND (acrylic OR styrene OR styrenic)	US-PGPUB; USPAT	OR	ON	2009/03/13 06:53
S176	327	(polyplastics).as.	US-PGPUB; USPAT	OR	OFF	2009/03/13 06:56
S177	33	(Harashina near5 Hatsuhiro).in.	US-PGPUB; USPAT	OR	OFF	2009/03/13 06:56
S178	343	(S176 OR S177)	US-PGPUB; USPAT	OR	OFF	2009/03/13 06:56
S179	45047	(polyacetal) OR (polyoxymethylene) OR (POM)	US-PGPUB; USPAT	OR	ON	2009/03/13 06:56
S180	241	S178 AND S179	US-PGPUB; USPAT	OR	ON	2009/03/13 06:56
S181	27	S180 AND (gloss) AND (acrylic OR styrene OR styrenic)	US-PGPUB; USPAT	OR	ON	2009/03/13 06:56
S182	0	S180 AND (slide Or sliding) near5 (property)	US-PGPUB; USPAT	OR	ON	2009/03/13 06:58
S183	0	S180 AND (slide Or sliding) near5 (property)	US-PGPUB; USPAT	OR	ON	2009/03/13 06:58
S184	24	S180 AND (slide Or sliding) near5 (property)	US-PGPUB; USPAT	OR	ON	2009/03/13 06:58
S185	23	S184 AND (polyethylene Or olefine Or olefinic OR silicone OR fluorine)	US-PGPUB; USPAT	OR	ON	2009/03/13 06:59
S186	1	S184 AND (polyethylene near5 high near5 density)	US-PGPUB; USPAT	OR	ON	2009/03/13 07:02
S187	1	S184 AND (fluorine SAME silicone SAME polyolefin)	US-PGPUB; USPAT	OR	ON	2009/03/13 07:03
S188	23	S184 AND (polyethylene Or olefin Or olefinic OR silicone OR fluorine)	US-PGPUB; USPAT	OR	ON	2009/03/13 07:04
S189	1	("7186766").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 07:15
S190	1	("7041718").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 07:16
S191	1	("7183340").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 07:17
S192	1	("6753363").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 07:18

S193	1	("6642289").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 07:19
S194	1	("6673405").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 07:20
S195	100	(S176 OR S177) AND (antioxidant OR stabilizer OR heat Or formaldehyde).dm.	US-PGPUB; USPAT	OR	OFF	2009/03/13 07:22
S196	48	(S176 OR S177) AND (antioxidant OR (heat adj stabilizer) OR (processing adj stabilizer)Or (formaldehyde near5 emission)).dm.	US-PGPUB; USPAT	OR	OFF	2009/03/13 07:22
S197	21	(S176 OR S177) AND (antioxidant OR (heat adj stabilizer) OR (processing adj stabilizer)Or (formaldehyde near5 emission)).dm. AND (polyacetal adj resin).dm.	US-PGPUB; USPAT	OR	OFF	2009/03/13 07:23
S198	3	(S176 OR S177) AND (antioxidant OR (heat adj stabilizer) OR (processing adj stabilizer)Or (formaldehyde near5 emission)).dm. AND (polyacetal adj resin).dm. AND (trioxane).dm.	US-PGPUB; USPAT	OR	OFF	2009/03/13 07:23
S199	18	S197 NOT S198	US-PGPUB; USPAT	OR	OFF	2009/03/13 07:24
S200	1	("4929712").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 07:36
S201	5	("4665126"   "4669373"   "4828755").PN. OR ("4929712").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 07:36
S202	37	S180 AND (impact near5 resistance) AND (thermoplastic near5 (polyurethane OR polyester) )	US-PGPUB; USPAT	OR	ON	2009/03/13 07:37
S203	0	"JP 1984145243"	EPO; JPO; DERWENT	OR	ON	2009/03/13 07:39
S204	0	"JP 19840145243"	EPO; JPO; DERWENT	OR	ON	2009/03/13 07:39
S205	85	(S179).ab. AND (impact near5 resistance) AND (thermoplastic near5 (polyurethane OR polyester) )	US-PGPUB; USPAT	OR	ON	2009/03/13 07:39
S206	70	S205 NOT S202	US-PGPUB; USPAT	OR	ON	2009/03/13 07:39
S207	1	("20010049415").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 08:04

S208	1	("5190828").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 08:12
S209	1	("5854324").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 08:13
S210	10	S180 AND (gloss) SAME (acrylic OR styrene OR styrenic)	US-PGPUB; USPAT	OR	ON	2009/03/13 08:21
S211	15	(S179).ab. AND (gloss) SAME (acrylic OR styrene OR styrenic)	US-PGPUB; USPAT	OR	ON	2009/03/13 08:22
S212	12	(S179).ab. AND ((gloss) SAME (acrylic OR styrene OR styrenic) SAME (resin))	US-PGPUB; USPAT	OR	ON	2009/03/13 08:22
S213	1	("20030158301").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 10:05
S214	1	("20030036591").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 10:22
S215	45047	(polyacetal) OR (polyoxymethylene) OR (POM)	US-PGPUB; USPAT	OR	ON	2009/03/13 11:30
S216	73	(S215) AND (unstable near5 terminal near5 group)	US-PGPUB; USPAT	OR	ON	2009/03/13 11:30
S217	46	(S215) AND (unstable near5 terminal near5 group) SAME (amount Or weight of "wt. %" OR (weight adj percent))	US-PGPUB; USPAT	OR	ON	2009/03/13 11:31
S218	5	("4046738").PN. OR ("5344911").URPN.	US-PGPUB; USPAT; USOCOR	OR	OFF	2009/03/13 11:31
S219	46	(S215) AND (unstable near5 terminal near5 group) SAME (amount Or weight OR "wt. %" OR (weight adj percent))	US-PGPUB; USPAT	OR	ON	2009/03/13 11:33
S220	40	(S215) AND (unstable near5 terminal near5 group) SAME ( weight OR "wt. %" OR (weight adj percent))	US-PGPUB; USPAT	OR	ON	2009/03/13 11:33
S221	9	(S215) AND (unstable near5 terminal near5 group) near5 ( weight OR "wt. %" OR (weight adj percent))	US-PGPUB; USPAT	OR	ON	2009/03/13 11:33
S222	9	(S215) AND (unstable near5 terminal near5 group) near5 ( "wt.%" OR weight OR "wt. %" OR (weight adj percent))	US-PGPUB; USPAT	OR	ON	2009/03/13 11:36
S223	9	(S215) AND (unstable near5 terminal near5 group) near5 ( "wt." OR weight OR "wt. %" OR (weight adj percent))	US-PGPUB; USPAT	OR	ON	2009/03/13 11:36
S224	9	(S215) AND (unstable near5 terminal near5 group) near5 ( "wt" OR weight OR "wt. %" OR (weight adj percent))	US-PGPUB; USPAT	OR	ON	2009/03/13 11:36

S225	1	("20010007006").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 12:05
S226	12	((("5884059") or ("6365704") or ("5288840") or ("5587449") or ("20010007006") or ("20030158301") or ("20030036591") or ("20030158301") or ("20010049415") or ("5190828") or ("5854324") or ("5541284") or ("5886139")).PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 12:45
S227	332	(524/593).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/03/13 12:45
S228	474	(524/106).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/03/13 12:47
S229	12	((("5844059") or ("6365704") or ("5288840") or ("5587449") or ("20010007006") or ("20030158301") or ("20030036591") or ("20030158301") or ("20010049415") or ("5190828") or ("5854324") or ("5541284") or ("5886139")).PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 13:00
S230	3	((("20060214143") or ("20020195266") or ("20030100642") or ("20020195266")).PN.	US-PGPUB; USPAT	OR	OFF	2009/03/13 16:27
S231	1	("3839257").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/14 10:39
S232	47640	(polyacetal) OR (polyoxymethylene) OR (POM)	US-PGPUB; USPAT	OR	ON	2009/10/30 13:28
S233	1	"10/576452"	US-PGPUB; USPAT	OR	OFF	2009/10/30 13:28
S234	17318	(Delrin\$ OR Kepital\$ OR Celcon\$ OR Hostaform4 OR Iupital\$ OR Ultraform\$)	US-PGPUB; USPAT	OR	OFF	2009/10/30 13:28
S235	6928	(trioxane) OR (trimer near5 formaldehyde) OR (cyclic near5 trimer near5 formaldehyde) OR ("1,3,4- trioxane") OR (Trioxymethylene) OR ( Metaformaldehyde near5 Trioxin) Or (Trioxan) Or ( Triformol) OR ("s- trioxane") OR ("sym- trioxane")	US-PGPUB; USPAT	OR	ON	2009/10/30 13:28

S236	3316256	(elution OR eluted OR eluting Or removing or removed or removal Or remove)	US-PGPUB; USPAT	OR	OFF	2009/10/30 13:28
S237	5	(S234) AND (S235) AND (S235 near5 S236)	US-PGPUB; USPAT	OR	OFF	2009/10/30 13:28
S238	5	(S234) AND (S235) AND (S235 near5 S236)	US-PGPUB; USPAT	OR	OFF	2009/10/30 13:28
S239	3629536	(elution OR eluted OR eluting Or removing or removed or removal Or remove OR extract OR extracted OR extracting Or extraction)	US-PGPUB; USPAT	OR	OFF	2009/10/30 13:28
S240	6	(S234) AND (S235) AND (S235 near5 S239)	US-PGPUB; USPAT	OR	OFF	2009/10/30 13:28
S241	47640	(polyacetal) OR (polyoxymethylene) OR (POM)	US-PGPUB; USPAT	OR	ON	2009/10/30 13:28
S242	178	((S234 Or S241) AND (S235 near5 (amount or content)))	US-PGPUB; USPAT	OR	ON	2009/10/30 13:28
S243	9	((S235 near5 S239 near5 (S234 OR S241)))	US-PGPUB; USPAT	OR	ON	2009/10/30 13:28
S244	53	((S234 Or S241) AND (S235 near5 (concentration)))	US-PGPUB; USPAT	OR	ON	2009/10/30 13:28
S245	5	((S234 Or S241) AND (S235 near5 (concentration) near5 (S239)))	US-PGPUB; USPAT	OR	ON	2009/10/30 13:28
S246	13	((S234 Or S241) AND (S235 near5 (amount or content Or concentration Or quantity) near5 (S239)))	US-PGPUB; USPAT	OR	ON	2009/10/30 13:28
S247	6	((polyacetal Or S241) AND (((formal) near5 ("mmol/kg" Or "mmol"))	US-PGPUB; USPAT	OR	OFF	2009/10/30 13:28

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